



# Reliability Analysis Update

Transmission Planning

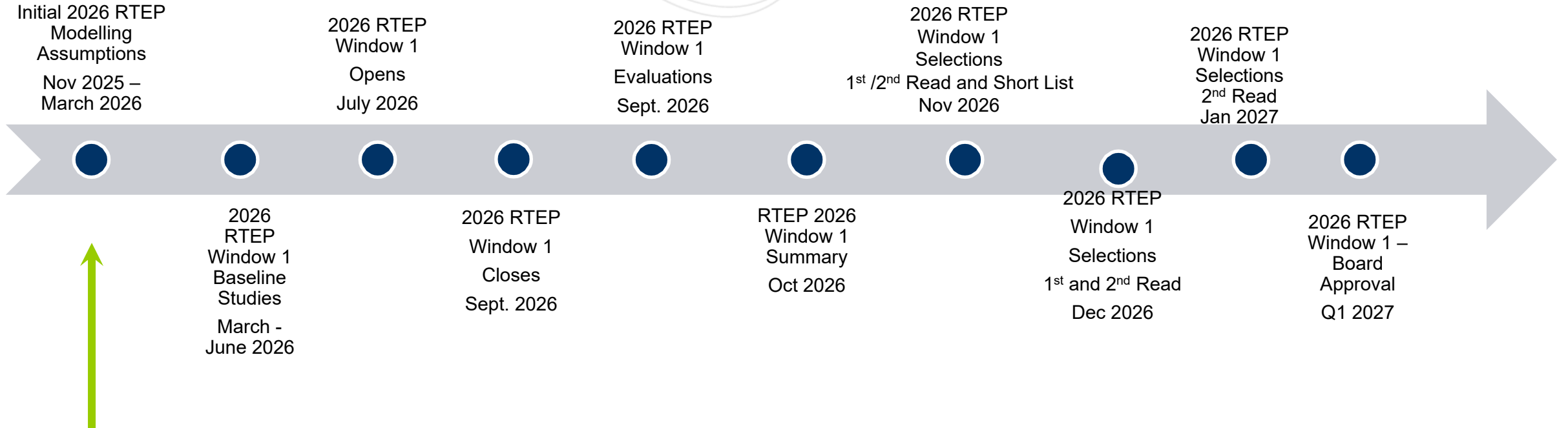
Transmission Expansion Advisory Committee

Feb. 3, 2026

- Schedule - 2026 RTEP - Window 1
- Scope Changes & Cost Updates

# 2026 RTEP Window 1 – Schedule

# 2026 RTEP Window 1 – Timeline



- 2026 RTEP Window 1 will utilize the 2026 PJM Load Forecast (Jan 2026):  
<https://www.pjm.com/-/media/DotCom/library/reports-notices/load-forecast/2026-load-report.pdf>
- 2031 load level in 2026 Load Forecast Vs. 2030 load level in 2025 Load Forecast
  - Increase by ~7GW for summer peak
  - Increase by ~4GW for winter peak
- PJM is currently working on finalizing the initial RTEP Baseline models – Planned for completion by the first week of March
- Resource balancing to serve forecasted load is expected be tight;
  - PJM will share more information related to Resource Assumptions in March 2026.

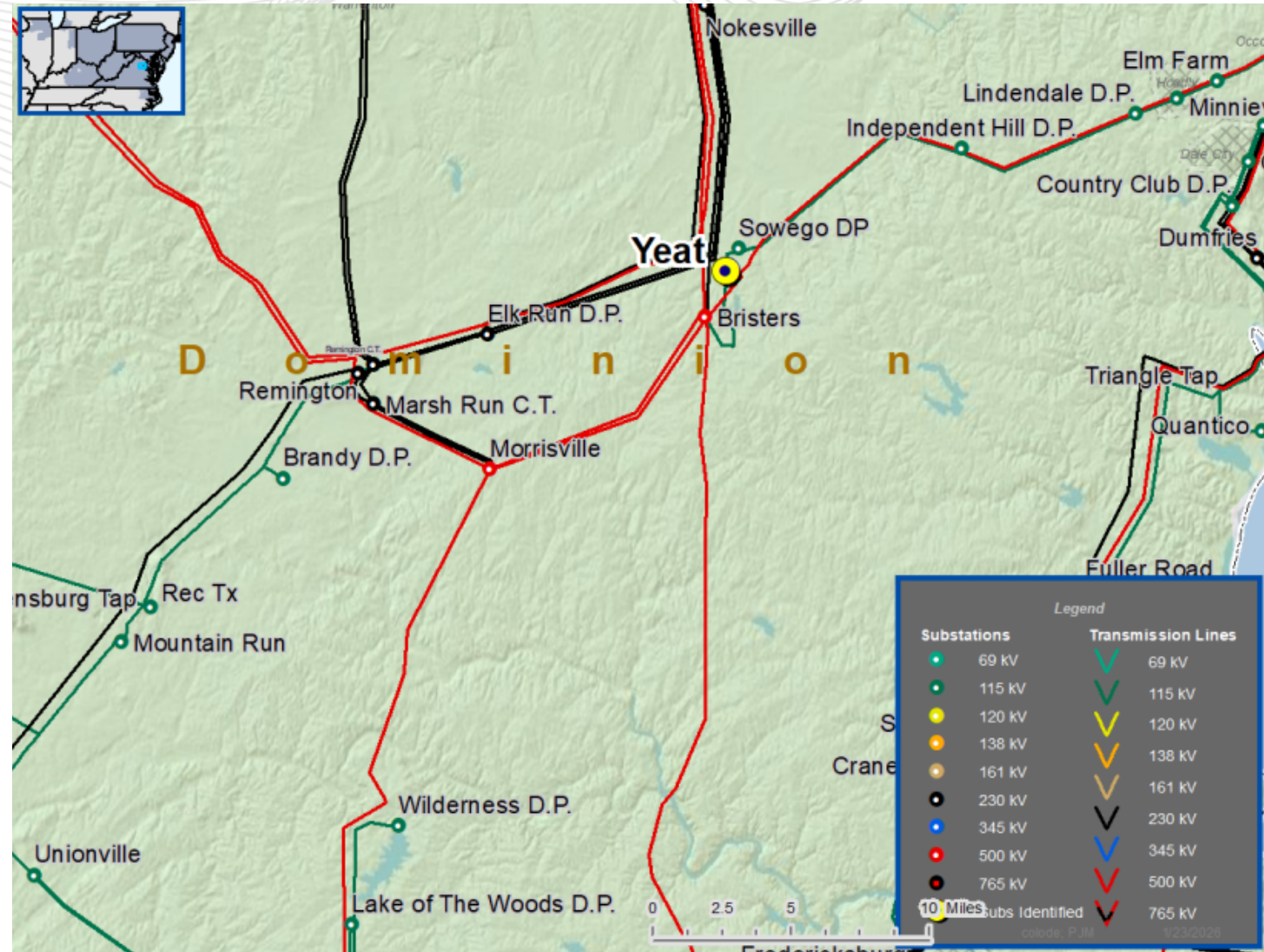
# 2024 Window 1 Proposed Scope Changes Baseline Reliability Projects



# Yeat Substation Relocation Update

## 2024W1 Regional Solution

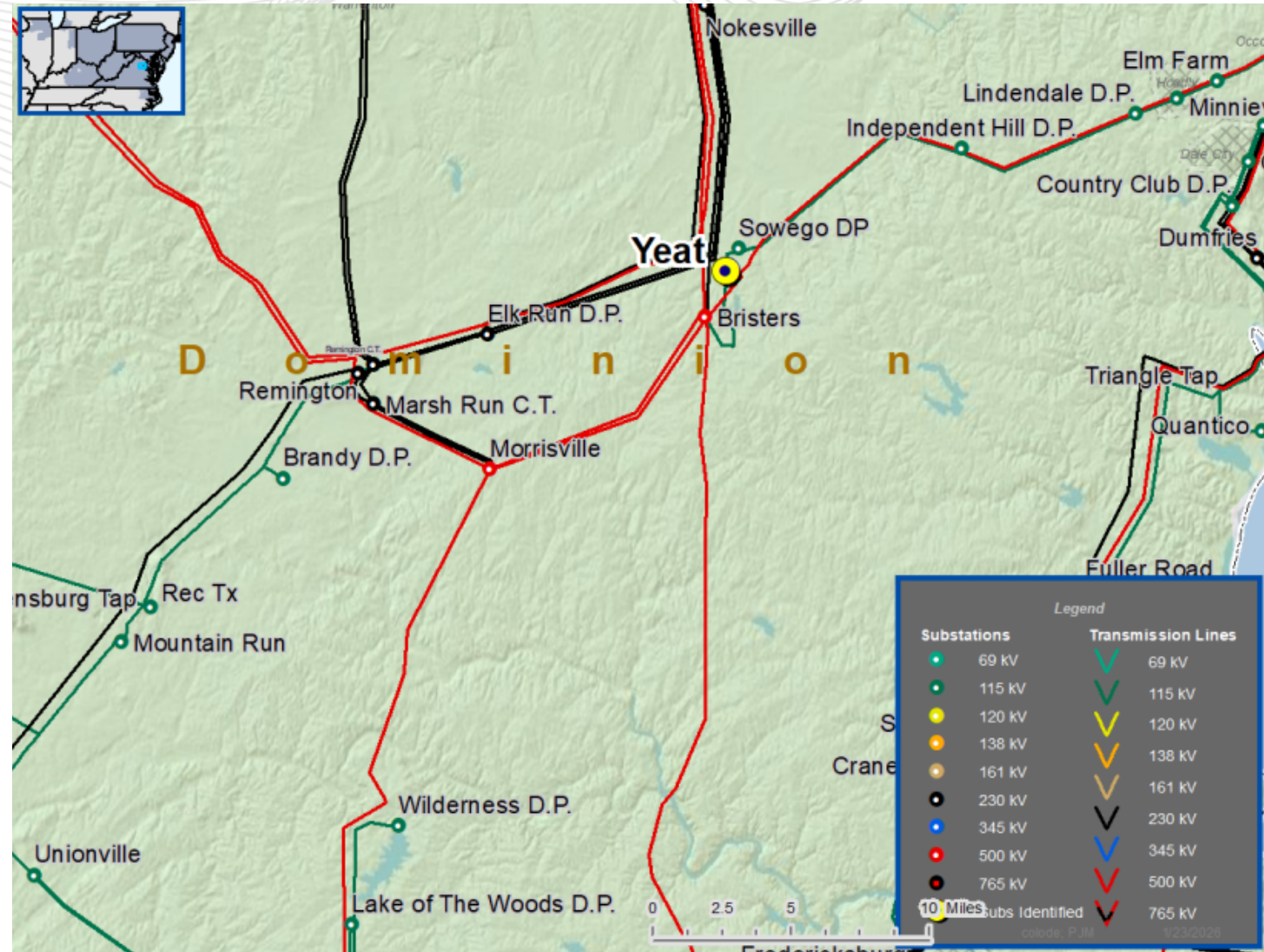
- Valley Link is evaluating “options” for relocating the Yeat substation further south
- Drivers for considering location change options:
  - Consideration of additional options before finalizing substation location
  - Potential enhancement to schedule certainty to meet project’s in-service date
  - Consider options to reduce new 765kV line mileage and associated cost/value benefits
  - Reduce potential residential, environmental, cultural and historical impacts





# Yeat Substation Relocation Update 2024W1 Regional Solution

- Current scope of Yeat substation:
  - Build a new 765/500/230kV substation called Yeat. Install (2) 765/500 kV transformers. Cut in 500kV line Bristers – Ox and 500kV line Meadowbrook – Vint Hill into Yeat
  - **Estimated Cost: \$197.1M (b4000.357)**
  - At Yeat substation, install (1) 500/230kV transformer. Cut in 230kV line Vint Hill – Elk Run into Yeat substation
  - **Estimated Cost: \$45.6M (b4000.358)**
- Next steps are for Valley Link to finalize location following investigation of options and for PJM to perform the required reliability studies
- Scope change, if needed, to be brought forward at a future TEAC meeting





Facilitator:

Eric Hsia, [Eric.Hsia@pjm.com](mailto:Eric.Hsia@pjm.com)

Secretary:

Joshua Stephenson, [Joshua.Stephenson@pjm.com](mailto:Joshua.Stephenson@pjm.com)

SME:

Wenzheng Qiu, [Wenzheng.Qiu@pjm.com](mailto:Wenzheng.Qiu@pjm.com)

## Reliability Analysis Update



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

Version No.	Date	Description
1	Jan. 29, 2026	<ul style="list-style-type: none"><li>Initial slides posted</li></ul>

**PROTECT THE  
POWER GRID**

**THINK BEFORE  
YOU CLICK!**



**BE ALERT TO  
MALICIOUS PHISHING  
EMAILS**



**Report suspicious email activity to PJM.**  
Call (610) 666-2244 or email [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)